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TITLE: Coating having low reflectance

PATENT ASSIGNEE(S): Asahi Glass Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 14 pp.

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PATENT INFORMATION: JP 59115840 A2

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APPLICATION INFORMATION: JP 82-225787

821224

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LANGUAGE: Japanese

AB A coating of silane compd. or transparent resin, having a refractive index of same or higher level compared to a transparent substrate, is formed on the substrate and a coating composed of polyfluoro group-contg. compd. is applied on top to give a multilayer coating. The surface reflectance of glass and plastic substrate can be decreased and hence the coating is useful for doors, windows, and optical lenses. Thus, $Rf(CH_2)_2Si(OMe)_3$ (I; $Rf = CnF_{2n+1}$, $n = 6, 8, 10, 12$ mixt., av. 9.0; prep'd. from $RfCH:CH_2$, $HSiCl_3$ and $MeOH$) was dissolved in Fronsolve R-113 and Me_2CO . Glass plate was first soaked in a soln. conta. the reaction product of α -(glycidyloxy)propyltriethoxysilane and $H_2N(CH_2)_2NH(CH_2)_2Si(OMe)_3$. Ariea, and then soaked in the I soln., and cured. The coating had good hardness and low reflectance.